



Think Green.

ENVIRONMENTAL

# Stewardship



## WASTE MANAGEMENT GOALS FOR SUSTAINABLE GROWTH

**By 2020 WM will:**

**Help power over two million homes with the waste we collect.**

**Manage more than 20 million tons of recyclables each year.**

**Provide over 25,000 acres of wildlife habitat at our landfills.**

**Make investments to reduce our fleet's emissions by 15 percent and increase its efficiency by 15 percent.**

Waste Management is the leading provider of comprehensive waste and environmental services across North America and for decades has pioneered environmentally smart ways to manage the 4.5 pounds of garbage that each of us produces every day. That's how we have become North America's largest recycler and a leader in waste-based energy technologies. We're a company that protects and enhances the environment through what we do, and we have made it a very successful business.

We announced an environmental initiative that will serve as a platform for sustainable growth between now and 2020 to leverage what we do today and do it better and more efficiently.

These actions will further position Waste Management as the industry leader in waste and environmental services, reduce our overall impact on the environment and differentiate us from our competitors. Because they take advantage of our existing expertise to generate organic growth, these actions will certainly be good for our shareholders, but they will also be good for our employees, our communities, our customers and the environment.

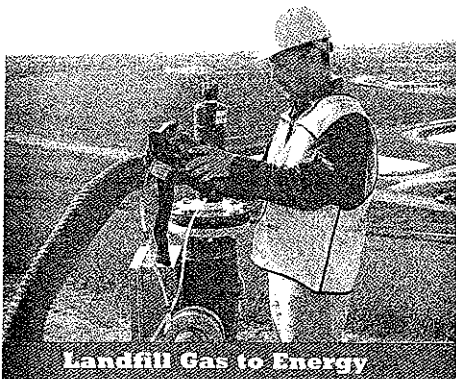
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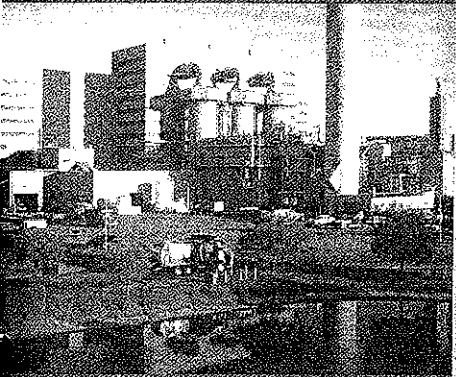
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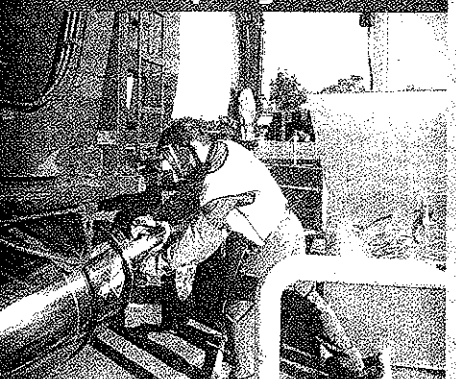
Landfill Gas to Energy



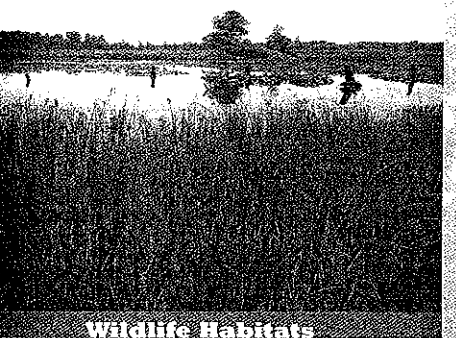
Waste to Energy



Recycling



Clean Technology



Wildlife Habitats

### We will:

#### **Increase our waste-based energy production.**

Garbage is a renewable energy source. Today we use it to create enough energy to power the equivalent of 1 million homes each year. By 2020 we expect to double that output, producing enough energy for the equivalent of more than 2 million homes. We've been in the renewable, waste-based energy business for decades, but in the last decade there has been little growth in the waste-to-energy business. We now see an emerging business opportunity from increased interest in alternative energy sources, including both landfill gas to energy and waste-to-energy combustors. This will involve expanding our partnerships with local governments to develop new waste-to-energy plants and landfill gas projects on our landfills and other publicly and privately owned landfills.

#### **Increase the volume of recyclable materials processed.**

Today we manage 8 million tons of recyclables per year and expect to triple the amount of recyclable materials we process by 2020. As the largest recycler in North America, we are committed to growing recycling. The efficiency of the single-stream process can improve local recycling programs by increasing capacity, resulting in an average recovery of up to 30 percent more recyclable material while maintaining material quality equal to if not better than traditional recycling processes. We want Waste Management to be the first company a city considers when it decides that it wants to increase its recycling rates, and to be first in our customers' minds, we have to be first in the use of technology. We also plan to continue investing in recycling commodities that we have not recycled before and for which we see the potential of higher returns.

#### **Invest in cleaner technologies.**

We expect to direct capital spending of up to \$500 million per year over a 10-year period to increase the fuel efficiency of our fleet by 15 percent and reduce our emissions by 15 percent by 2020. We also expect to invest in technologies to enhance our waste business. This capital spending will be done while maintaining total capital spend of approximately 10 percent of revenue and accomplishing our primary financial objectives, which include earnings growth, margin expansion and higher returns on invested capital. We are working with different manufacturers to make our fleet more efficient; however, today there are no readily available technologies to make dramatic improvements. Through this expenditure for up to 2,000 trucks per year, we are providing an incentive to our manufacturers to deliver more efficient equipment. We are committed to leading the call for cleaner, more efficient heavy-duty trucks. We hope this incentive will be a catalyst for a breakthrough technology and we ask that our manufacturers partner with us to make this goal a reality. We will be looking for others in the industry to join us in leveraging our buying power and demanding innovation in fuel conservation and emissions reduction for solid waste vehicles.

WM is also committed to continuing its capital investment in the green technologies we've pursued for many years—like recycling, waste to energy and landfill gas to energy—as well as investing in future technologies for exploiting and managing waste as renewable energy, like landfill gas to diesel and liquid natural gas. In addition, we are paying attention to other emerging technologies, like the gasification of waste, to judge their promise for commercialization and economic feasibility. We are prepared to invest in new opportunities for managing waste so that we increase earnings, grow margins and continue returning strong free cash flow to our investors, while at the same time enhancing the environment.

#### **Preserve and restore more wildlife habitat across North America.**

By 2020, we plan to increase by more than four times the number of Waste Management facilities—from 24 to 100—certified by the Wildlife Habitat Council, and increase the number of acres set aside for conservation and wildlife habitat from 17,000 acres today to approximately 25,000. This is invaluable to the communities we serve and the environment in which we operate. And this is in addition to the recreational facilities we make available to communities at many of our sites in the form of ball fields, hiking trails, golf courses and the like. We want to continue to work with our communities to make the best beneficial use of our landfill space.

#### **Reporting on our progress.**

We will report periodically on our progress toward these goals.

# Waste Management Landfill Gas Beneficial Use Projects

April 16, 2008

Type of Project	Total	Owned by WMM
<b>Power Plants</b> Megawatts Equivalent No. of Households Equivalent Tons of Coal per year	<b>80</b> 401 331,000 1,600,000	<b>42</b> 219
Medium BTU Fuel Natural Gas Production Liquid Waste Disposal <b>Total Heating Fuel Projects</b> Equivalent No. of MW Equivalent No. of Households Equivalent Tons of Coal per year	14 7 8 <b>29</b> 96 77,000 380,000	4 0 4 <b>8</b>
<b>Total Projects</b>	<b>109</b>	<b>50</b>
Equivalent No. of MW Equivalent No. of Households Equivalent Tons of Coal per year	496 408,000 1,980,000	

Site	Group	State	Bus. Unit	Landfill Status	Year Started or Acquired	Project Type	Facility Owner	End User	Annual Gas Flow (mmbtu)	Electric Capacity (or Equivalent) (MW)	Average Net Generation (or Equivalent) (MMW/Year)	Regional Household Consumption (KWH/Year)	Equivalent Households	Equivalent Tons of Coal per Year
Chicopee	E	MA	0444	A	2004	Power	Ameresco	Chicopee Muni.	362,000	3.4	28,366	7,142	3,692	13,732
Palmeco	S	SC	2106	A	2003	Power	Ameresco	BMW	1,097,648	10.4	79,945	13,763	5,809	41,638
HOD	CSMG	IL		C	2003	Power	Antioch HS	Antioch HS	70,000	0.7	5,098	9,206	554	2,655
Covel Gardens	S	TX	2177	A	2005	Power	EEL	CP&L		9.6	73,500	14,937	4,921	38,281
Elk River	M	MN	1706	A	2002	Power	ERLU	ERLU		3.2	24,300	10,930	2,242	12,760
Glacalope	W	CA	1543	A	1984	Power	Fortistar			2.5	19,141	5,948	3,218	9,969
Taunton	E	MA	2156	A	2001	Power	Fortistar			1.6	12,250	7,142	1,715	6,380
Cuyahoga	M	OH	0216	A	1986	Power	Fortistar	PJM		1.6	12,250	9,206	1,331	6,380
Grand Central	E	PA	0204	A	2001	Power	Green Knights	Exlon		9.3	71,203	7,799	9,130	37,056
Mountain View	E	PA	2086	A	2003	Power	Ingenco	PJM		1.1	8,289	7,799	1,064	4,322
Ametia	E	VA	0041	A	2001	Power	Ingenco	PJM		2.7	21,011	13,763	1,527	10,943
Charles City County	E	VA	0042	A	1997	Power	Ingenco	PJM		2.0	15,458	13,763	1,123	8,051
Granby	E	MA	0445	A	2001	Power	IPS			2.9	22,203	7,142	3,109	11,564
City Sand	CSMG	MI	1716	C	1998	Power	LES			2.4	18,375	9,206	1,996	9,570
Pine Tree Acres	M	MI	1733	A	1998	Power	LES			5.6	42,875	9,206	4,657	22,331
Peoples	M	MI	1736	A	1998	Power	NANR			3.2	24,500	9,206	2,661	12,760
White Lake	CSMG	MI		C	2001	Power	NANR			1.6	12,250	9,206	1,331	6,380
Douglas County	M	NE	2809	A	2002	Power	OPPD	OPPD		6.4	49,000	10,930	4,483	25,521
Grows	E	PA	2382	A	1988	Power	PECO	PECO	1,300,000	12.4	94,683	7,799	12,140	49,314
Tuleytown	E	PA	2382	A	1988	Power	PECO	PECO	1,735,744	16.5	126,420	7,799	16,210	65,844
Bradley	W	CA	2802	C	1988	Power	Petrose	LADWP	1,000,000	9.5	72,833	5,948	12,245	37,934
Fitchburg	E	MA	0439	A	1997	Power	Pine Tree	NEPOOL	250,000	2.4	18,208	7,142	2,549	9,484
Richland County	S	SC	0082	A	2006	Power	Samtec Cooper	Samtec Cooper		5.5	42,109	13,763	3,060	21,932
Countywide	M	IL	0006	A	1999	Power	US Energy	ComEd		8.0	61,250	9,206	6,653	31,901
Barre	E	MA	1760	A	1997	Power	US Energy			1.0	7,656	7,142	1,072	3,988
Associata	S	TX	2158	A	2003	Power	Viridis	Reliant		10.2	78,094	14,937	5,228	40,674
Baytown	S	TX	1129	A	2003	Power	Viridis	Reliant		4.0	30,625	14,937	2,500	15,951
Bluebonnet	CSMG	TX		C	2003	Power	Viridis	Reliant		2.0	15,312	14,937	1,025	7,975
Coastal Plains	S	TX	1073	C	2003	Power	Viridis	Reliant		6.8	52,062	14,937	3,485	27,116
Conroe	CSMG	TX	0173	C	2003	Power	Viridis	Reliant		1.0	7,656	14,937	513	3,988
Security	S	TX	1017	A	2003	Power	Viridis	Reliant		3.4	26,031	14,937	1,743	13,558
Deercroft	CSMG	IN	0318	C	1995	Power	Wabash	Wabash		6.4	49,000	9,206	5,323	25,521
Jay County	M	IN	0228	A	2005	Power	Wabash	Wabash		2.4	18,375	9,206	1,996	9,570
Liberty	M	IN	0222	A	2005	Power	Wabash	Wabash		3.2	24,500	9,206	2,661	12,760
Oakridge	M	IN	0319	A	2003	Power	Wabash	Wabash		3.2	24,500	9,206	2,661	12,760
Prairie View	M	IN	0316	A	1994	Power	Wabash	Wabash		6.4	49,000	9,206	5,323	25,521
Twin Bridges	M	IN	0317	A	1994	Power	Wabash	Wabash		6.4	49,000	9,206	5,323	25,521
Wheeler	CSMG	IN	0315	C	1997	Power	Wabash	Wabash		0.8	6,125	9,206	665	3,190



Site	Group	State	Bus. Unit	Landfill Status	Year Started or Acquired	Project Type	Facility Owner	End User	Annual Gas Flow (mmbtu)	Electric Capacity (or Equivalent) (MW)	Average Net Generation (or Equivalent) (MWH/Year)	Regional Household Consumption (KWH/Year)	Equivalent Households	Equivalent Tons of Coal per year
Two Pine	S	AR	2181	A	2006	Power	WMRE	North Little Rock		4.8	36,750	14,363	2,559	19,141
Allamont	W	CA	2554	A	1989	Power	WMRE	PG&E		8.2	62,781	5,948	10,555	32,699
Bradley	W	CA	2502	C	2003	Power	WMRE	LADWP		5.0	38,281	5,948	6,436	19,938
El Sobrante	W	CA	0166	A	2004	Power	WMRE	Socal Edison		3.0	22,969	5,948	2,962	11,963
Simi Valley	W	CA	2610	A	2004	Power	WMRE	Socal Edison		2.0	15,312	5,948	2,574	7,975
New Milford	CSMG	CT	2217	C	1991	Power	WMRE	WEC		2.0	15,312	7,142	2,144	7,975
Central	S	FL	2240	A	1989	Power	WMRE	Seminole		11.3	86,516	15,250	5,673	45,060
Springhill	S	FL	2248	A	2006	Power	WMRE	AL Electric Co-op		4.8	36,750	15,250	2,410	19,141
BJ	CSMG	GA	2123	C	1993	Power	WMRE	Oglethorpe		1.6	12,250	13,763	890	6,380
Des Moines	TP	IA	2066	TP	1994	Power	WMRE	Mid-American		6.4	49,000	10,930	4,483	25,521
Lake Mills	M	IA	0496	A	2006	Power	WMRE	Danland		4.8	36,750	10,930	3,382	19,141
Greene Valley	CSMG	IL	2267	C	1996	Power	WMRE	ComEd		6.2	47,469	9,206	5,156	24,723
CID	M	IL	2030	C	1989	Power	WMRE	ComEd		6.2	47,469	9,206	5,156	24,723
Five Oaks	M	IL	2271	A	2008	Power	WMRE	Ameren		3.2	24,500	9,206	2,661	12,760
Kankakee	M	IL	2319	C	1992	Power	WMRE	ComEd		1.6	12,250	9,206	1,331	6,380
Lake	CSMG	IL	2697	C	1988	Power	WMRE	ComEd		6.2	47,469	9,206	5,156	24,723
Miam	M	IL	2056	A	1991	Power	WMRE	Ameren		2.4	18,375	9,206	1,996	9,570
Settlers Hill	M	IL	2041	C	1989	Power	WMRE	Geneva		6.2	47,469	9,206	5,156	24,723
Izaveell	M	IL	2899	C	1989	Power	WMRE	Ameren		2.4	18,375	9,206	1,996	9,570
Woodland	CSMG	IL	2043	C	1992	Power	WMRE	ComEd		1.6	12,250	9,206	1,331	6,380
Fitchburg	E	MA	0439	A	2007	Power	WMRE	Select Energy		3.2	24,500	7,142	3,430	12,760
Venice Park	M	MI	2616	A	1994	Power	WMRE	Consumers Energy		1.6	12,250	9,206	1,331	6,380
Burnsville	M	MN	0291	A	1998	Power	WMRE	Exel		4.8	36,750	10,930	3,382	19,141
Source Ridge	M	MN	1702	A	2008	Power	WMRE	Glencoe		2.4	18,375	10,930	1,681	9,570
Turkey	E	NH	2159	A	1992	Power	WMRE	NH Electric		9.4	71,969	7,142	10,077	37,484
High Acres	E	NY	2277	A	1991	Power	WMRE	Constellation		9.8	73,500	5,974	12,303	38,281
Chaffee	E	NY	1174	A	2007	Power	WMRE	Constellation		4.8	36,750	9,207	3,992	19,141
Millseal	E	NY	1636	A	2007	Power	WMRE	Constellation		4.8	36,750	5,974	6,152	19,141
Monroe-Livingston	CSMG	NY	2403	C	1989	Power	WMRE	Constellation		1.6	12,250	5,974	2,051	6,380
Lakeview	E	PA	2287	A	1997	Power	WMRE	Constellation		6.0	45,937	7,799	5,880	23,926
Pottstown	E	PA	2292	C	1989	Power	WMRE	Select Energy		6.2	47,469	7,799	6,087	24,723
Chestnut Ridge	S	TN	2115	A	1992	Power	WMRE	TVA		3.2	24,500	15,447	1,566	12,760
Austin	S	TX	2162	A	2007	Power	WMRE	Luminant > Dell		6.4	49,000	14,937	3,280	25,521
DFW	S	TX	0399	A	1988	Power	WMRE	TXU		6.2	47,469	14,937	3,178	24,723
Slyline	S	TX	1003	A	2007	Power	WMRE	Constellation		6.4	49,000	14,937	3,280	25,521
Bethel	E	VA	1306	A	2008	Power	WMRE	Constellation		4.8	36,750	13,763	2,670	19,141
Orchard Ridge	M	WI	2286	A	1987	Power	WMRE	WE Energies		9.3	71,203	9,206	7,734	37,085
Ridgeview	M	WI	2289	A	2002	Power	WMRE	WPS		8.0	61,280	9,206	6,653	31,901
Deer Track Park	M	WI	1704	A	2006	Power	WMRE	WE Energies		6.4	49,000	9,206	5,323	25,521
Metro	M	WI	2742	A	1987	Power	WMRE	WE Energies		9.4	71,969	9,206	7,818	37,484
Pleasant Run	M	WI	2290	A	1992	Power	WMRE	WE Energies		8.8	67,375	9,206	7,319	35,091
Timberline Trails	M	WI	2274	A	2006	Power	WMRE	Dairyland		5.6	42,875	9,206	4,657	22,331

Site	Group	State	Bus. Unit	Landfill Status	Year Started or Acquired	Project Type	Facility Owner	End User	Annual Gas Flow (mmmbu)	Electric Capacity (or Equivalent) (MW)	Average Net Generation (or Equivalent) (MWH/Year)	Regional Household Consumption (KWH/Year)	Equivalent Households	Equivalent Tons of Coal per year
Pine Bluff	S	GA	1308	A	2005	Medium BTU	Ameresco	GoldKist	250,000	(2.4)	18,208	13,763	1,323	9,484
Woodland Meadows	M	MI	2337	A	1988	Medium BTU	Ameresco	Ford	700,000	(6.7)	50,983	9,206	5,338	26,554
Atlantic	E	VA	0858	A	2004	Medium BTU	DTE Biomass	Honeywell	480,000	(4.6)	34,960	13,763	2,540	18,208
Outer Loop	S	KY	2482	A	1999	Medium BTU	Horizon	GE	363,010	(3.5)	26,439	15,447	1,712	13,770
Eagle Valley	M	MI	2336	A	1999	Medium BTU	Horizon	GM	288,210	(2.7)	20,991	9,206	2,280	10,933
American	M	OH	1336	A	2004	Medium BTU	Horizon		610,712	(5.8)	44,480	9,206	4,832	23,167
Cuyahoga	M	OH	0216	A	1996	Medium BTU	Fortistar	Stouffiers	250,000	(2.4)	18,208	9,206	1,978	9,484
Evergreen	M	OH	2837	A	1999	Medium BTU	Horizon	Walbridge/Sunoco	315,735	(3.0)	22,896	9,206	2,488	11,977
Autumn Hills	M	MI	2868	A	2005	Medium BTU	NAWR	Soy bean plant	240,240	(2.3)	17,497	9,206	1,901	9,113
Pecan Grove	S	MS	2135	A	2005	Medium BTU	Toro	Dupont	329,720	(3.1)	24,015	15,447	1,565	12,508
Rumble	CSMG	MO		C	2005	Medium BTU	WM	LaFarge	203,982	(1.9)	14,857	10,930	1,359	7,738
ELDA	CSMG	OH	2369	C	1987	Medium BTU	WM	Cognis	433,000	(4.1)	31,537	9,206	3,426	16,425
St. Sophie	E	QUE	0265	A	2005	Medium BTU	WM	Cascades	550,000	(5.2)	40,058	7,142	5,809	20,864
Valley Trail	M	WI	2293	A	1999	Medium BTU	WM	National	400,000	(3.8)	29,133	9,206	3,165	15,174
Cheechobee	S	FL	0046	A	1998	Liquid Disposal	OWT	WM	883,976	(8.4)	64,383	15,250	4,222	33,533
Earthmovers	M	IN	0017	A	1998	Liquid Disposal	OWT	WM	397,381	(3.8)	28,943	9,206	3,144	15,074
Southern Alleghenies	E	PA	0064	A	1997	Liquid Disposal	OWT	WM	200,000	(1.8)	14,567	7,799	1,868	7,587
Olympic View	CSMG	WA	0030	C	1997	Liquid Disposal	OWT	WM	187,387	(1.8)	13,648	7,622	1,791	7,108
Waters	M	MI	1722	A	2006	Liquid Disposal	WM	WM	130,000	(1.2)	9,468	9,206	1,028	4,931
Riverbend	W	OR	1509	A	1997	Liquid Disposal	WM	WM	371,146	(3.5)	27,032	7,622	3,547	14,079
Dauphin Meadows	E	PA	0063	C	1997	Liquid Disposal	WM	WM	137,082	(1.3)	9,984	7,799	1,280	5,200
Quail Hollow	S	TN	1305	I	1996	Liquid Disposal	WM	WM	70,258	(0.7)	5,117	15,447	331	2,665
Westside	M	MI	2894	A	2001	High BTU	DTE Biomass		395,723	(3.8)	28,822	9,206	3,131	15,011
Snowy Hollow/Pinnacle Rd	M	OH	2872	A	2003	High BTU	DTE Biomass		485,000	(4.6)	35,324	9,206	3,837	18,398
Laurel Highlands	E	PA	0065	A	2006	High BTU	Keystone	Dominion Gas	432,752	(4.1)	31,519	7,799	4,041	16,416
Shade	E	PA	0231	A	2007	High BTU	Keystone	Dominion Gas	350,000	(3.3)	25,492	7,800	3,268	13,277
Southern Alleghenies	E	PA	0064	A	2007	High BTU	Keystone	Dominion Gas	80,000	(0.8)	5,827	7,801	747	3,035
Montroville	E	PA	0069	A	2004	High BTU	Magellan		220,512	(2.1)	16,061	7,799	2,059	8,365
Valley	E	PA	0232	A	2003	High BTU	Magellan		284,684	(2.7)	20,734	7,799	2,659	10,799

# Renewable Energy Active Projects Definitions and Sources

Column	Heading	Source/Definitions
A	Site	Landfill name
B	Group	Corp = Corporate (Landfill is not owned by WM, but WM owns the landfill gas rights) CSMG = Closed Site Management Group E = Eastern M = Midwest S = Southern W = Western
C	State	Common state or province abbreviations
D	Business Unit	Landfill business unit number (WM power plant may also have a separate business number, not shown.)
E	Landfill Status	A = Active C = Closed I = Inactive 3rd Party = Landfill is not owned by WM, but WM owns the landfill gas rights
F	Landfill Life	Combined permitted and expansion site life, based on 2007 landfill rate workbooks.
G	Year Started or Acquired	Year the project was placed in service by WM or the year the landfill was acquired by WM with project in place.
H	Project Type	Power = LFG is used for power production, either at an on-site power plant or piped to an off-site power plant Medium btu = LFG is delivered to third party as heating fuel Leachate = LFG is used to evaporate leachate at on-site facility High btu = LFG is processed to natural gas quality and delivered to natural gas pipeline
I	Facility Owner	Owner of on-site or off-site power plant, medium btu compressor and pipeline, leachate evaporator, or high btu plant
J	End User	Ultimate end user or buyer of energy, medium btu fuel, leachate disposal, or high btu gas.
K	Annual Gas Flow (mmbtu)	Landfill gas utilized for dual-fuel power plants, medium btu projects, leachate evaporators, and high btu projects. Based on reported or estimated prior delivery, or projected annualized flow for new projects.
L	Electric Capacity or (Equivalent)	For power plants using only LFG as fuel: nameplate capacity of plant For dual-fuel plants, medium-btu, leachate, and high-btu projects: the equivalent power that could be generated by the mmbtu delivered, assuming a heat rate of 12 mmbtu/mwh for a coal plant (23 mmbtu / ton x 1 ton / 1.92 mwh: See note for Column P)
M	Average (or Equivalent) Net Generation (MWH/year)	Electric capacity (or Equivalent) mw x 8760 hrs/yr x 92% run rate x (1 - 5% parasitic load)
N	EIA Annual Household kwh	Average household electricity usage for landfill geographic region, from DOE EIA Regional Energy Profiles for 2001
O	Equivalent Households	Equivalent number of houses that could be provided from the average net generation of the project
P	Equivalent Tons of Coal	No. of tons of coal needed to generate the same mwh of electricity as the landfill project: mwh/year * (1 ton / 1.92 mwh) From DOE EIA net generation of electric power generated by coal divided by total coal consumption for electric power (average of 2004 and 2005)